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**NEW POWER EQUIPMENT INSTALLED;
REPAIR TIME SHORTENED**

A new heavy-duty high-pressure turbine has been installed and is in operation in the Frunze Heat and Power Plant in Moscow.

It was reported at a meeting of the presidium of the Leningrad Oblast Committee of the Electric Power Plant Workers' Trade Union that the boiler of the First GES had been repaired in 10 days instead of 20, with a saving of 3,140 man-hours, and that the boiler of the Eighth GES had been repaired in 15 days instead of 35.

Turbogenerator No 1 of the Stalinogorsk State Regional Power Plant has been repaired in 4 days instead of the 6 days usually required. The shortened repair time permitted a saving of 120,000 rubles.

Construction of the Khabarovsk Heat and Power Plant in Stalinskiy Rayon of Khabarovsk was begun just before World War II and was renewed at the beginning of this year. The plant will eventually supply the entire power needs of the city. The plan for this year calls for improving the present temporary installations, construction of a garage, warehouses, administration building and two houses; construction of the plant itself will begin in 1950. The city's enterprises have given considerable materials and transport facilities with the result that, in a short time, capital repairs were made on the machine and foundry shops, the drier and sawmill were reconstructed, and a large housing area in the workers' settlement was put in order. A railroad siding has been laid up to the construction area in order to bring in materials.

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The project, however, has a great manpower shortage. Its labor force now numbers 200, which is entirely insufficient for completion of this year's plan. There are very few experienced foremen and bricklayers. Khabarovsk enterprises, scheduled to send 500 workers to the project, have sent only 80, most of whom are inexperienced in construction work. The project also lacks sufficient machinery, such as concrete mixers and conveyors, which should have been provided by the city's enterprises. The project has no telephone communications with the city, although it is 10 kilometers away.

EXHAUST STEAM USED FOR HEATING -- Izvestiya, No 177, 29 Jul 49

In the Ukraine before the war the utilization of waste heat from electric power plants was inaugurated. In Tul'chin, Vinnitsa Oblast, heat from a small 500-horsepower Diesel electric power plant was used to heat and supply hot water to various buildings in the town. In all, 30,000-40,000-rubles were spent to lay the steam pipes and recovery boilers, and during the 1940-41 season more than 1,000 tons of coal were saved. Utilization of the Tul'chin electric power plant was raised from 28 to 76 percent. Similar projects were undertaken at the Chernigov and Belotserkov electric power plants. For the development of small-scale heating, the production of recovery boilers was organized in the shops of the "Ukrkommunenergostroy" (Ukrainian Communal Power Construction) Trust. However, the war put a stop to operations.

Since the war, small-scale heating projects have been given to the "Orgkommunenergo" (Organization of Communal Power) Trust. According to the plan, district heating was to be employed in ten electric power plants, including plants in Uman', Cherkassy, Akhtyrka, Konotop, Proskurov, and Vinnitsa in 1947. However, as yet, operations have been carried out in only three power plants. The Ministry of Communal Economy Ukrainian SSR is not exercising control over projects. The "Orgkommunenergo" Trust is also not taking the proper measures to implement the program.

As formerly, much heat is wasted, and there are excessive expenditures of fuel and funds. Most enterprises are heated by expensive imported fuel, live steam, and even electric power. Heating boilers and furnaces are being built instead of recovery boilers, and evaporators and cooling basins have been built to dispose of waste steam. In the Proskurov electric power plant a second evaporator is being built to cool water from mobile steam engines and Diesels, whereas this water could be used for heating enterprises and living quarters.

In the best communal steam turbine electric power plants in the Ukraine, utilization is not more than 14 percent, and in the Diesel power plants, not more than 30 percent. Industrial furnaces are utilized from 5 to 25 percent. Thus, only a small part of the fuel is used to generate electric power, smelt steel, etc, and the greater part is lost in smoke, gas, and water.

KIEV POWER INSTITUTE ANNOUNCES VACANCIES -- Pravda Ukrainy, No 177, 29 Jul 49

The Institute of Heat Power Engineering of the Academy of Sciences Ukrainian SSR announces a competition to fill the following vacancies: in the division of general problems of power engineering -- senior scientific associate (doctor or candidate of technical sciences); in the industrial heat technology and fuel utilization laboratory -- two doctors or candidates of sciences and one engineer; in the gas dynamics laboratory -- senior scientific associate (doctor or candidate of sciences); in the theoretical heat technology laboratory -- junior scientific associate (candidate of technical sciences or without a degree).

Apply: Kiev, ulitsa Chkalova, 55-6, Institute of Heat Power Engineering. -- Advertisement.

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SAKHALIN POWER INSTALLATION RECRUITS LABOR -- Tikhookeanskaya Zvezda, No 188, 11 Aug 49

The "Dal'neft'" (Far East Petroleum) Association needs the following for work on the power train in the city of Okha on Sakhalin: safety engineer, chief of the boiler shop, chief of the electric shop, chief of the chemical shop, senior foreman in the repair shop, senior account technician, shift electricians, control panel attendant, turbine machinist, repair mechanics, senior stokers, assistant stokers of steam boilers. Workers will be granted the usual Far North privileges. Apply: Personnel Department, Khabarovsk, ulitsa imeni Gogolya, 28. -- Advertisement

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